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DOCKET NO.: 5398-017-27 CONT

ASSISTANT COMMISSIONER FOR PATENTS
PO BOX 1450
ALEXANDRIA, VA 22313-1450

Re: Serial No.: 10/666,997
Applicant(s): Carol CARTER, et al.
Filing Date: September 18, 2003
For: TSG101 AS INHIBITOR OF HIV PRODUCTION
Group Art Unit: 1648
Examiner:

SIR:

Attached hereto for filing are the following papers:

Information Disclosure Statement
PTO-1449
Cited Documents (50)

Our check in the amount of \$0.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary extension of time to make the filing of the attached documents timely, please charge or credit the difference to Deposit Account No. 50-1442. Further, if these papers are not considered timely filed, then a request is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

DLA PIPER RUDNICK GRAY CARY U.S. LLP

Steven B. Kelber
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION: Carol CARTER, et al.

GROUP ART UNIT: 1648

SERIAL NUMBER: 10/666,997

EXAMINER:

FILED: September 18, 2003

FOR: TSG101 AS INHIBITOR OF HIV PRODUCTION



INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Assistant Commissioner for Patents
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ALEXANDRIA, VA 22313-1450

Sir:

Applicant(s) wish(es) to disclose the following information.

REFERENCES

- ☒ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. Copies of the listed documents are attached, where required, as are either statements of relevancy or any readily available full or partial English translations of any non-English-language documents.

RELATED CASES

- ☐ Attached is a list of Applicant's(s') pending applications and issued patents which may be related to the present application. Copies of the documents, where required, are attached along with Form PTO-1449.

CERTIFICATION

The undersigned certifies that

- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign or international patent office in a counterpart foreign or international application for the first time (to the knowledge of the undersigned, having made reasonable inquiry) not more than three months prior to the filing of this statement.
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign or international patent office in a counterpart foreign or international application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement.

BASIS FOR CONSIDERATION

This Information Disclosure Statement is filed:

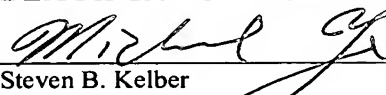
- ☐ without fee and within three months of the filing date of the application.
- ☐ without fee and within three months of the date of entry of the U.S. national stage.
- ☒ without fee and before the mailing date of a first Office Action on the merits (to the knowledge of the undersigned).
- ☐ without fee and with the appropriate certification above.
- ☐ without fee and with a new CPA application.
- ☐ without fee and with a Request for Continued Examination.
- ☐ with fee and before the mailing date of any Final Office Action, Notice of Allowance or an action that otherwise closes prosecution (to the knowledge of the undersigned).
- ☐ with fee, appropriate certification above, and before payment of the Issue Fee.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. 50-1442.

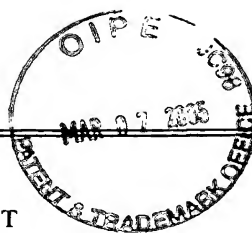
Respectfully submitted,

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		DOCKET NO. 5398-017-27 CONT		SERIAL NO. 10/666,997	
LIST OF REFERENCES CITED BY APPLICANT (Use Several Sheets if Necessary)				APPLICANT Carol CARTER, et a.			
				FILING DATE September 18, 2003		GROUP ART UNIT 1648	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,807,995	09/15/98	COHEN, et al.			
	AB	5,892,016	04/06/99	BRIE, et al.			
	AC	5,679,523	10/21/97	LI, et al.			
	AD	5,891,668	04/06/99	LI, et al.			
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AE	Ott, et al., "Cytoskeletal Proteins inside Human Immunodeficiency Virus Type 1 Virions", Journal of Virology, Vol. 70, No. 11, 1996.					
	AF	Bryant, et al., "Myristoylation-dependent replication and assembly of human immunodeficiency virus 1", Proc. Natl. Acad. Sci. USA, Vol. 87, pp. 523-527, 1990.					
	AG	Camaur, et al., "Human Immunodeficiency Virus Matrix Tyrosine Phosphorylation: Characterization of the Kinase and Its Substrate Requirements", Journal of Virology, Vol. 71, No. 9, pp. 6834-6841, 1997.					
	AH	Göttlinger, et al., "Role of capsid precursor processing and myristoylation in morphogenesis and infectivity of human immunodeficiency virus type 1", Proc. Natl. Acad. Sci. USA, Vol. 86, pp. 5781-5785, 1989.					
	AI	Ott, et al., Ubiquitin Is Covalently Attached to the p6 ^{Gag} Proteins of Human Immunodeficiency Virus Type 1 and Simian Immunodeficiency Virus and to the P12 ^{Gag} Protein of Moloney Murine Leukemia Virus", Journal of Virology, Vol. 72, No. 4, pp. 2962-2968, 1998.					
	AJ	Wills, et al., "An Assembly Domain of the Rous Sarcoma Virus Gag Protein Required Late in Budding", Journal of Virology, Vol. 68, No. 10, pp. 6605-6618, 1994.					
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	AM	Schubert, et al., "Proteasome inhibition interferes with Gag polyprotein processing, release, and maturation of HIV-1 and HIV-2", Proc. Natl. Acad. Sci. USA, Vol. 97, No. 24, pp. 13057-13062, 2000.					
	AN	Strack, et al., "A role for ubiquitin ligase recruitment in retrovirus release", Proc. Natl. Acad. Sci. USA, Vol. 97, No. 24, 13063-13068, 2000.					
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	BA	Vogt, "Ubiquitin in retrovirus assembly: Actor of bystander?", Proc. Natl. Acad. Sci. USA, Vol. 97, No. 24, p. 12945-12947, 2000.	
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	BD	Lemmon, et al., "Sorting in the endosomal system in yeast and animal cells", Abstract Only, Current Opinion in Cell Biology, Vol. 12, No. 4, pp. 457-466, 2000.	
	BE	Xie, et al., "Cell cycle-dependent subcellular localization of the TSG101 protein and mitotic and nuclear abnormalities associated with TSG101 deficiency", Proc. Natl. Acad. Sci. USA, Vol. 95, pp. 1595-1600, 1998.	
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	BL	Li, et al., "tsg101: A Novel Tumor Susceptibility Gene Isolated by Controlled Homozygous Functional Knockout of Allelic loci in Mammalian Cells", Cell, Vol. 85, pp. 319-329, 1996.	
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	BN	Hittelman, et al., "Differential regulation of glucocorticoid receptor transcriptional activation via AF-1-associated proteins", EMBO Journal, Vol. 18, No. 19, p. 5380-5388, 1999.	
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	CA	Li, et al., "A TSG101/MDM2 regulatory loop modulates MDM2 degradation and MDM2/p63 feedback control", Proc. Natl. Acad. Sci. USA, Vol. 98, No. 4, pp. 1619-1624, 2001.	
	CB	Pornillos, et al., "Structure and functional interactions of the TSG101 UEV domain", EMBO Journal, Vol. 21, No. 10, pp. 2397-2406, 2002.	
	CC	Felding-Habermann, et al., "Integrin activation control metastasis in human breast cancer", Proc. Natl. Acad. Sci. USA, Vol. 98, No. 4, p. 1853-1858, 2001.	
	CD	Feng, et al., "TSG101 Protein Steady-State Level Is Regulated Posttranslationally by an Evolutionarily Conserved COOH-Terminal Sequence", Cancer Research, Vol. 60, pp. 1736-1741, 2000.	
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	CF	Li, et al., "Yeast Mutants Affecting Possible Quality Control of Plasma Membrane Proteins", Molecular and Cellular Biology, Vol. 19, No. 5, pp. 3588-3599, 1999.	
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	CH	Durfee, et al., "The retinoblastoma protein associates with the protein phosphatase type 1 catalytic subunit", Genes Dev., Vol. 7, No. 4, pp. 555-569, 1993.	
	CI	Li, et al., "The TSG101 Tumor Susceptibility Gene Is Located in Chromosome 11 Band p15 and Is Mutated in Human Breast Cancer", Cell, Vol. 88, pp. 143-154, 1997.	
	CJ	Smith, et al., "Human Immunodeficiency Virus Type 1 Pr55 ^{gag} and Pr160 ^{gag-pol} Expressed from a simian Virus 40 Late Replacement Vector Are Efficiently Processed and Assembled into Viruslike Particles", Journal of Virology, Vol. 64, No. 6, pp. 2743-2750, 1990.	
	CK	Ehrlich, et al., "Partitioning of HIV-1 Gag and Gag-Related Proteins to Membranes", Abstract Only, Biochemistry, Vol. 35, No. 13, pp. 3933-3943, 1996.	
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	CO	Frankel, "HIV-1: Fifteen Proteins and an RNA", Abstract Only, Annual Reviews, Vol. 67, pp. 1-25, 1998.	
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	DB	Lemmon, et al., "Sorting in the endosomal system in yeast and animal cells", Abstract Only, Current Opinion in Cell Biology, Vol. 12, No. 4, p. 457-466, 2000.	
	DC	Jentsch, et al., "Ubiquitin-conjugating enzymes: novel regulators of eukaryotic cells", Abstract Only, Trends in Biochemical Sciences, Vol. 15, No. 5, pp. 195-198, 1990.	
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	DE	Hershko, et al., "The Ubiquitin System", Abstract Only, Annual Reviews, Vol. 67, pp. 425-479, 1998.	
	DF	Kay, et al., "The importance of being proline: the interaction of proline-rich motifs in signaling proteins with their cognate domains", The FASEB Journal, Vol. 14, pp. 231-241, 2000.	
	DG	Townsend, et al., "Dominant-negative cyclin-selective ubiquitin carrier protein E2-C/UbcH10 blocks cells in metaphase", Proc. Natl. Acad. Sci. USA, Vol. 94, pp. 2362-2367, 1997.	
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	DJ	Alland, et al., "Dual Myristylation and Palmitoylation of Src Family Member p59 ^{lck} Affects Subcellular Localization", The Journal of Biological Chemistry, Vol. 269, No. 24, pp. 16701-16705, 1994.	
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